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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harrington, et al. Examiner: Not Assigned
Serial No.: 10/659,986 Group Art Unit: 3753
Filed: September 11, 2003 Docket: 1002.2US01
Title: METHOD AND SYSTEM FOR DIRECTING FLUID FLOW

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 9, 2004.

By: 

Name: John S. Jardine

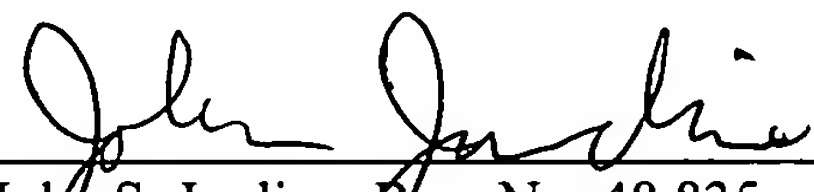
INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, the references listed on the enclosed Form PTO-1449 are submitted herewith for consideration by the Examiner in the examination of the above-identified patent application. The full consideration of the references in their entirety by the Examiner is respectfully requested and encouraged. Also, it is respectfully requested that the references be entered into the record of the present application and that the Examiner place his or her initials in the appropriate area on the enclosed Form PTO-1449, thereby indicating the Examiner's consideration of each of the references.

The submission of the references listed on the Form PTO-1449 is for the purpose of providing a complete record and is not a concession that the references listed thereon are prior art to the invention claimed in the patent application. The right is expressly reserved to establish an invention date earlier than the above-identified filing date in order to remove any reference submitted herewith as prior art should it be deemed appropriate to do so. Further, the submission of the references is not to be taken as a concession that any reference represents art that is relevant or analogous to the claimed invention. Accordingly, the right to argue that any reference is not properly within the scope of prior art relevant to an examination of the claims in the above-identified application is also expressly reserved.

The Information Disclosure Statement is believed to be filed before the mailing date of a first Office action on the merits. Accordingly, no fee is owed by applicant. If, however, an Office action has been issued, the Patent Office is hereby authorized to charge any underpayments associated with this submission to Deposit Account 50-3161.



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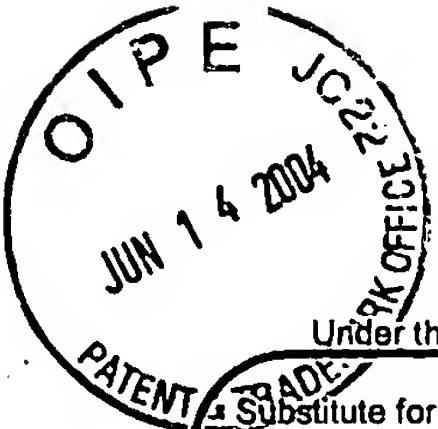
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|---|---|----|---|--------------------------|--------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/659,986 |
| | | | | Filing Date | September 11, 2003 |
| | | | | First Named Inventor | Harrington, et al. |
| | | | | Art Unit | 3753 |
| | | | | Examiner Name | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 1002.2US01 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | AB | "Field Applications of In Situ Remediation Technologies: Ground-Water Circulation Wells," October 1998, pgs. i - 32, EPA 542-R-98-009, United States Environmental Protection Agency, Washington DC, http://www.epa.gov/swertio1 . | |
| | AC | ANDREW CURTIS ELMORE et al., "Modeling a Ground Water Circulation Well Alternative," Ground Water Monitoring & Remediation 24, Rebruary 2004, pgs. 66-73, Volume 1, National Ground Water Association, U.S.A. | |
| | AD | ANDREW CURTIS ELMORE et al., "Model-Predicted Groundwater Circulation Well Performance," Practice of Periodical of Hazardous, Toxic, and Radioactive Waste Management, October 2001, pgs. 203-210, Volume 5, Number 4, U.S.A. | |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.